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ADDENDUM TO
LIST OF INTERCEPTED PLANT PESTS, 1970

(Pests Recorded From July 1, 1969, Through June 30, 1970)

Animal and Plant Health Inspection Service
UNITED STATES DEPARTMENT OF AGRICULTURE

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UNITED STATES DEPARTMENT OF AGRICULTURE
Animal and Plant Health Inspection Service

Addendum to
LIST OF INTERCEPTED PLANT PESTS, 1970

(Pests Recorded From July 1, 1969, Through June 30, 1970)

David H. Girard
Plant Quarantine Inspector

INTRODUCTION

This addendum to the List of Intercepted Plant Pests, 1970 represents 1,263 records that were omitted when the List was originally produced.

NOTES ON PESTS INTERCEPTED

The total number of interceptions submitted during the fiscal year 1970 was 42,589. Of those identified during the fiscal year, 13,781 were considered of enough significance to be tabulated, as compared with 11,658 the previous year. This does not include non-economic or the incompletely determined organisms which were not added to the figures in the summary.

SUMMARY OF NUMBER OF INTERCEPTIONS LISTED

COUNTRY	INSECT	MITE	MOLLUSK	DISEASE	NEMATODE
Africa (country-?).....	1	.....	.....	.....	.....
Angola.....	1	.....	.....	.....	.....
Argentina.....	1	.....	.....	.....	.....
Asia (country-?).....	46	.....	.....	.....	.....
Australia.....	1	.....	.....	.....	.....
Austria.....	5	.....	.....	.....	.....
Azores.....	1	.....	.....	.....	.....
Bahamas.....	1	.....	.....	.....	.....
Belgium.....	1	.....	.....	.....	.....
Brazil.....	14	.....	.....	.....	.....
British Honduras.....	1	.....	.....	.....	.....
Central America (country-?)...	1	.....	.....	.....	.....
Chile.....	1	.....	.....	.....	.....
China.....	1	.....	.....	.....	.....
Colombia.....	4	.....	.....	.....	.....
Congo.....	1	.....	.....	.....	.....
Costa Rica.....	2	.....	.....	.....	.....
Cyprus.....	1	.....	.....	.....	.....
Denmark.....	1	.....	.....	.....	.....
Dominican Republic.....	70	.....	.....	.....	.....
Ecuador(?).....	1	.....	.....	.....	.....
El Salvador.....	12	.....	.....	.....	.....
England.....	3	.....	.....	.....	.....
Ethiopia.....	1	.....	.....	.....	.....
France.....	8	.....	.....	.....	.....
Germany.....	4	.....	.....	.....	.....
Germany(?).....	1	.....	.....	.....	.....
Ghana.....	2	.....	.....	.....	.....
Greece.....	4	.....	.....	.....	.....
Guam.....	2	.....	.....	.....	.....
Guatemala.....	37	.....	.....	.....	.....
Haiti.....	14	.....	.....	.....	.....
Haiti(?).....	1	.....	.....	.....	.....
Hawaii.....	81	.....	.....	.....	.....
Honduras.....	13	.....	.....	.....	.....
Hong Kong.....	7	.....	.....	.....	.....
India.....	17	.....	.....	.....	.....
India(?).....	2	.....	.....	.....	.....
Indonesia.....	3	.....	.....	.....	.....
Iran.....	1	.....	.....	.....	.....
Israel.....	2	.....	.....	.....	.....
Italy.....	25	.....	.....	.....	.....
Jamaica.....	49	.....	.....	.....	.....
Japan.....	492	.....	.....	.....	.....
Korea.....	1	.....	.....	.....	.....
Korea(?).....	1	.....	.....	.....	.....
Kwajalein.....	2	.....	.....	.....	.....
Lebanon.....	2	.....	.....	.....	.....
Liberia.....	2	.....	.....	.....	.....
Madeira Islands.....	1	.....	.....	.....	.....
Malta.....	1	.....	.....	.....	.....
Mexico.....	185	.....	.....	.....	.....
Morocco.....	1	.....	.....	.....	.....
New Zealand.....	3	.....	.....	.....	.....
Nicaragua.....	3	.....	.....	.....	.....
Norway.....	1	.....	.....	.....	.....
Okinawa.....	5	.....	.....	.....	.....
Panama.....	25	.....	.....	.....	.....
Peru.....	5	.....	.....	.....	.....
Philippines.....	11	.....	.....	.....	.....
Portugal.....	2	.....	.....	.....	.....
Puerto Rico.....	11	.....	.....	.....	.....
South Africa.....	3	.....	.....	.....	.....
Spain.....	3	.....	.....	.....	.....
Spain(?).....	1	.....	.....	.....	.....
St. Kitts.....	1	.....	.....	.....	.....
St. Thomas.....	1	.....	.....	.....	.....
Sweden.....	3	.....	.....	.....	.....
Taiwan.....	2	.....	.....	.....	.....
Thailand.....	6	.....	.....	.....	.....
Turkey.....	1	.....	.....	.....	.....
Venezuela.....	2	.....	.....	.....	.....
Viet-Nam.....	10	.....	.....	.....	.....
Viet-Nam?.....	1	.....	.....	.....	.....

S U M M A R Y O F N U M B E R O F I N T E R C E P T I O N S L I S T E D

COUNTRY	INSECT	MITE	MOLLUSK	DISEASE	NEMATODE
West Pacific.....	16	.....	.....	.....	.....
Unknown.....	14	.....	.....	.....	.....
TOTAL INTERCEPTIONS.....	1,263	.....	.....	.....	.....
GRAND TOTAL.....1,263					

CHANGES IN NOMENCLATURE

INSECTS

Ceroplastes ceriferus (Anderson) (Coccidae)----- (=Ceroplastes pseudoceriferus Green (Coccidae))
 Zopherus chilensis Gray (Tenebrionidae)----- (=Megazopherus chiliensis Gray (Tenebrionidae))

T A B U L A T I O N O F I N S E C T S

PEST AND HOST	COUNTRY OF ORIGIN	NUMBER INTERCEPTIONS IN			COLLECTED IN-
		C	I	P	
		O	N	R	
		S	N	O	
		U	O	A	
		M	N	G	
		P	E	A	
		T	N	T	
		I	T	I	
		O	R	O	
		N	Y	N	
Aleurocanthus woglumi Ashby (Aleyrodidae).....	Colombia, Mexico.....	13	3		FL, TX.....
Citrus aurantifolia (leaf)					
Citrus sinensis (leaf)					
Citrus sp. (leaf)					
Coffea sp. (coffee leaf)					
Aleurothrixus floccosus (Maskeil) (Aleyrodidae).....	Mexico.....	1			TX.....
Citrus sp. (leaf)					
Anastrepha ludens (Loew) (Tephritidae).....	Guatemala, Mexico.....	55	1		CA, GA, LA, TX.
Citrus paradisi (grapefruit)					
Citrus sinensis (sweet orange)					
Citrus sp. (fruit)					
Mangifera indica (mango)					
Anastrepha nomblinpraeoptans Sein (Tephritidae).....	Colombia, Costa Rica,	302	11		AZ, CA, FL, LA,
Citrus aurantifolia (lime)	Dominican Republic,				NY, PR, TX, VA,
Eugenia malaccensis (mountain-apple)	El Salvador, Guatemala, Haiti,				VI.....
Mangifera indica (mango)	Haiti(?), Honduras, Jamaica,				
Psidium guajava (guava)	Mexico, Nicaragua, Panama,				
Spondias mombin (yellow mombin)	Puerto Rico, St. Kitts,				
Spondias purpurea (purple mombin)	St. Thomas, Unknown.				
Spondias sp. (mombin)					
Ceratitis capitata (Wiedemann) (Tephritidae).....	Israel, Morocco.....	2	1		MA, NY.....
Citrus sinensis (sweet orange)					
Vitis sp. (grape)					
Ctenopseustis obliquana (Walker) (Tortricidae).....	New Zealand.....	1			HI.....
Malus sylvestris (apple)					
Dacus cucurbitae Coquillett (Tephritidae).....	Hawaii, India, India(?).....	3	5		CA, HI, NY, PA.
Aircraft					
Cucumis sativus (cucumber)					
Fruit (unidentified)					
Lycopersicon esculentum (tomato)					
Momordica charantia (bitter melon)					
Dacus dorsalis Hendel (Tephritidae).....	Hawaii, Philippines, Viet-Nam...	70			AK, HI.....
Aleurites moluccana (kukui)					
Carica papaya (papaya)					
Citrus reticulata cv. (cultivar orange)					
Citrus sinensis (sweet orange)					
Eugenia malaccensis (mountain-apple)					
Litchi chinensis (litchi)					
Mangifera indica (mango)					
Musa sp. (banana)					
Psidium guajava (guava)					
Terminalia catappa (tropical almond)					
Dacus oleae (Gmelin) (Tephritidae).....	Greece, Italy, Malta, Spain,	5	1		IL, MA, NY.....
Dicaeuropea (olive)	Unknown.				
Fiorinia vacciniae Kuwana (Diaspididae).....	Italy.....	1			LA.....
Phragmites communis (reed)					
Frankliniella formosae Moulton (Thripidae).....	Japan, Okinawa, Philippines,	49	17		AK, CA, HI, WA.
Chrysanthemum sp. (cut flowers)	Thailand, Unknown.				
Dahlia sp. (cut flowers)					
Dianthus sp. (cut flowers)					
Flowers (mixed)					
Rosa sp. (cut flowers)					
Galgupha punctifer McAtee & Malloch (Pentatomidae).....	Mexico.....		1		TX.....
Railroad car					
Geniastes panamensis Arrow (Scarabaeidae).....	Central America (country-?),	3	3		FL, LA, SC.....
Aircraft	Panama.				
Automobile					
Baggage					
Geotomus pygmaeus (Dallas) (Cydnidae).....	Asia (country-?), Japan, Taiwan,	4	16		CA, DE, HI, MA.
Aircraft	Unknown, Viet-Nam,				
Cargo	West Pacific.				
Sesuvium edule (chayote)					
Glaucothrips glaucus (Bagnall) (Thripidae).....	South Africa.....	2			MI.....
Flowers (mixed)					
Leucadendron discolor (cut flowers)					

T A B U L A T I O N O F I N S E C T S

PEST AND HOST	COUNTRY OF ORIGIN	NUMBER INTERCEPTIONS IN			COLLECTED IN-
		C	O	P	
		N	N	O	
		S	O	P	
		U	N	A	
		M	N	G	
		P	E	A	
		T	N	T	
		I	T	I	
		O	R	O	
		N	Y	N	
Gnorimoschema ocellatella (Boyd) (Gelechiidae).....	Italy.....		1		NY.....
Lactuca sativa (lettuce)					
Gryllotalpa africana Palisot de Beauvois (Gryllotalpidae).....	Asia (country-?), Japan, Thailand, Viet-Nam.	1	7		CA, HI.....
Aircraft					
Mail					
Gryllus bimaculatus DeGeer (Gryllidae).....	Asia (country-?), Japan, Korea(?), Okinawa, Philippines, Thailand, Viet-Nam, West Pacific.	4	40		AK, CA, HI, WA.
Aircraft					
Cargo					
Mail					
Gryllus capitatus Saussure (Gryllidae).....	Ecuador(?).....		1		FL.....
Aircraft					
Hemimene jullana (Curtis) (Dilethreutidae).....	Greece, Italy.....	4			NY.....
Castanea sativa (European chestnut)					
Hercinothrips bicinctus (Bagnall) (Thripidae).....	Azores, Madeira Islands, Portugal.	2		1	MA.....
Flowers (mixed)					
Hydrangea sp. (cuttings)					
Plants (mixed)					
Herpetogramma licarsalis (Walker) (Pyralidae).....	Asia (country-?), Okinawa, West Pacific.		3		HI, WA.....
Aircraft					
Heterobostrychus aequalis (Waterhouse) (Bostrichidae).....	India, Unknown.....	5	1		GA, HI, NY.....
Dunnage (lumber)					
Wood (crate)					
Homalodisca ichthycephala (Signoret) (Cicadellidae).....	Unknown.....		1		LA.....
Aircraft					
Hulodes caranea (Cramer) (Noctuidae).....	Japan.....		1		CA.....
Aircraft					
Hylurgops palliatus (Gyllenhal) (Scolytidae).....	Denmark, Germany.....	3			FL, OR.....
Pinus sp. (bark)					
Wood (crate)					
Hylurgus ligniperda (Fabricius) (Scolytidae).....	Italy.....	1			TX.....
Wood (crate)					
Hypomeces squamosus Fabricius (Curculionidae).....	Asia (country-?), West Pacific.		2		AK, HI.....
Aircraft					
Hypothenemus hampei (Ferrari) (Scolytidae).....	Africa (country-?), Angola, Brazil, Ethiopia, Indonesia, Lebanon, Mexico, Nicaragua, Peru.	23			LA, NY.....
Coffea sp. (coffee seed)					
Icerya seychellarum (Westwood) (Margarodidae).....	Philippines.....	2			HI.....
Euphoria longana (longan)					
Lansium domesticum (lansat)					
Ips acuminatus (Gyllenhal) (Scolytidae).....	Norway, Sweden.....	4			FL.....
Wood (crates)					
Isothrips obscuratus (Crawford) (Thripidae).....	Australia, New Zealand.....	2	1		CA, HI.....
Lilium sp. (cut flowers)					
Prunus persica (peach)					
Tulipa sp. (cut flowers)					
Lampides boeticus (Linnaeus) (Lycaenidae).....	Hawaii.....	2			HI.....
Cajanus cajan (pigeon peas)					
Sesbania grandiflora (sesban)					
Laspeyresia strobiliella (Linnaeus) (Dilethreutidae).....	Unknown.....	1			NY.....
Picea sp. (spruce cone)					
Leperisinus varius (Fabricius) (Scolytidae).....	Italy.....	1			NY.....
Olea sp. (olive wood)					
Lepidosaphes biadhiiae Takahashi (Diaspididae).....	Philippines.....	2			HI.....
Areca catechu (betel nut)					
Mangifera indica (mango)					
Lepidosaphes conchiformioides Borchsenius (Diaspididae).....	China, Japan.....	1	11		CA, HI.....
Diospyros kaki (persimmon)					
Malus sylvestris (apple)					
Lepidosaphes esakii Takahashi (Diaspididae).....	Guam, Japan, Kwajalein.....	2	1	2	HI, OR.....
Cleyera japonica (leaf)					
Cocos nucifera (coconut)					
Leucania loreyi (Duponchel) (Noctuidae).....	Asia (country-?).....		1		WA.....
Aircraft					
Leucania yu Guenee (Noctuidae).....	Asia (country-?).....		1		WA.....
Aircraft					

T A B U L A T I O N O F I N S E C T S

PEST AND HOST	COUNTRY OF ORIGIN	NUMBER INTERCEPTIONS			COLLECTED IN-
		IN			
		C		P	
		O		R	
		N		O	
		S	N	P	
		U	O	A	
		M	N	G	
		P	E	A	
		T	N	T	
		I	T	I	
		O	R	O	
		N	Y	N	
Leucaspis riccae (Targioni-Tozzetti) (Diaspididae)..... Olea europaea (olive)	Cyprus.....	1			NY.....
Leucinodes orbonalis Guenee (Pyralidae)..... Solanum melongena (eggplant)	Ghana, Hong Kong, Liberia, South Africa.	5	1		HI, NY, PA.....
Lindingaspis ferrisi McKenzie (Diaspididae)..... Areca catechu (betel nut)	Viet-Nam.....			1	CA.....
Lindingaspis tingi McKenzie (Diaspididae)..... Phalaenopsis amabilis (plant)	Philippines.....			1	CA.....
Liogenys macropelma Bates (Scarabaeidae)..... Aircraft Automobile	Panama, Unknown.....	2	15		LA, NY, PR, SC, TX.....
Liriomyza braziliensis (Frost) (Agromyzidae)..... Solanum tuberosum (potato)	Brazil, Venezuela.....	1	1		NY.....
Lobesia botrana (Schlffermueller) (Dilethreutidae)..... Vitis sp. (grape)	Italy.....	2			NY, VA.....
Locusta migratoria Linnaeus (Acrididae)..... Aircraft	Asia (country-?).....		1		HI.....
Lyctoxylon japonum Reitter (Lyctidae)..... Wood (bamboo)	Japan.....	1			WA.....
Macroscytus brunneus (Fabricius) (Pentatomidae)..... Cargo	Spain(?).....	1			DE.....
Macroscytus japonensis Scott (Pentatomidae)..... Aircraft	Asia (country-?), Japan.....		4		CA, WA.....
Macrosiphum ibarae (Matsumura) (Aphididae)..... Rosa sp. (cut flowers)	Japan.....	1	1		HI, WA.....
Mamestra brassicae (Linnaeus) (Noctuidae)..... Aircraft Brassica oleracea var. capitata (cabbage) Brassica pekinensis (Chinese cabbage)	Belgium, Italy, Japan, Philippines, Spain.		6		AK, CA, HI, NY, WA.....
Manopus similis Moser (Scarabaeidae)..... Cargo	Colombia.....	1			WA.....
Maruca testulalis (Geyer) (Pyralidae)..... Aircraft Phaseolus vulgaris (string bean) Sesbania grandiflora (cut flowers)	Hawaii, Puerto Rico, Unknown....	6	1		HI, NY.....
Meclnus pyraister (Herbst) (Curculionidae)..... Cargo	Turkey.....	1			DE.....
Mecopoda elongata (Linnaeus) (Tettigionidae)..... Aircraft	Asia (country-?), Japan, Thailand, West Pacific.		4		CA, HI, WA.....
Megacerus cubiciformis (Sharp) (Bruchidae)..... Operculina tuberosa (wood-rose)	Mexico.....	1			TX.....
Megastigmus pistaciae Walker (Torymidae)..... Pistacia sp. (pistache seed)	Italy.....	2			NY.....
Megastigmus seitneri Hoffmeyer (Torymidae)..... Larix europaea (seed)	Austria, England.....			3	INJ.....
Megastigmus strobilobius Ratzeburg (Torymidae)..... Picea excelsa (seed)	Austria, England, Italy.....			6	INJ.....
Megastigmus suspectus Borries (Torymidae)..... Abies numidica (seed)	France.....			1	INJ.....
Melanaspis inopinata (Leonardi) (Diaspididae)..... Pistacia sp. (pistache nut)	Iran, Lebanon.....	2			NY.....
Melanaspis nigropunctata (Cockerell) (Diaspididae)..... Salix sp. (willow stem)	Mexico.....	1			TX.....
Melanaspis paulista (Hempel) (Diaspididae)..... Leaf (unidentified)	Argentina.....	1			FL.....
Melanoplus femur-rubrum (DeGeer) (Acrididae)..... Aircraft	Germany(?), Japan.....		2		CA, NY.....
Melanoplus sanguinipes (Fabricius) (Acrididae)..... Aircraft	Viet-Nam?.....		1		CA.....
Melanthrips fuscus (Sulzer) (Aeolothripidae)..... Narcissus sp. (cut flowers)	France.....	1			NY.....
Meligethes aeneus Fabricius (Nitidulidae)..... Aircraft Brassica oleracea var. capitata (cabbage) Flowers (mixed)	France, Germany.....	2	1		DE, NY, PR.....

T A B U L A T I O N O F I N S E C T S

PEST AND HOST	COUNTRY OF ORIGIN	NUMBER INTERCEPTIONS IN			COLLECTED IN-
		C	N	P	
		O	N	O	
		S	N	P	
		U	O	A	
		M	N	G	
		P	E	A	
		T	N	T	
		I	T	I	
		O	R	O	
		N	Y	N	
Melolontha japonica Burmeister (Scarabaeidae).....	Hong Kong.....		1		CA.....
Aircraft					
Melolontha melolontha (Linnaeus) (Scarabaeidae)(?).....	England.....		1		NJ.....
Aircraft					
Metaleptea brevicornis (Linnaeus) (Acrdidae).....	Panama, Peru.....		2		FL.....
Aircraft					
Metamasius hemipterus hemipterus (Linnaeus) (Curculionidae)...	Dominican Republic, Puerto Rico.	3			NY, PR.....
Ananas comosus (pineapple)					
Fruit (mixed)					
Metamasius hemipterus sericeus (Olivier) (Curculionidae).....	Guatemala.....	1			FL.....
Musa sp. (plantain debris)					
Microplax interrupta Fieber (Lygaeidae).....	Spain.....	1			VA.....
Cargo					
Mimosstes dominicanus (Jekel) (Bruchidae).....	Jamaica.....	1			NY.....
Caesalpinia corlaria (seed)					
Minthea rugicollis (Walker) (Lyctidae).....	Congo, India, Japan, Panama.....	9	1		CA, FL, GA, MA,
Bambusa sp. (bamboo)					NY, TX.....
Dunnage					
Hibiscus esculentus (okra)					
Mail					
Wood (crate)					
Mocis frugalis (Fabricius) (Noctuidae).....	Viet-Nam.....		1		HI.....
Aircraft					
Modicogryllus slamensis Chopard (Gryllidae).....	Japan.....		1		CA.....
Aircraft					
Myocalandra exarata (Boheman) (Curculionidae).....	India.....	1			NY.....
Packing material					
Nasutitermes costalis (Holmgren) (Termitidae).....	Puerto Rico.....	1			PR.....
Bambusa sp. (bamboo)					
Nasutitermes nigriceps (Haldeman) (Termitidae).....	British Honduras.....			1	FL.....
Orchid (plant)					
Nasutitermes rippertii (Rambur) (Termitidae).....	Bahamas.....		1		FL.....
Wood					
Naupactus xanthographus (Germar) (Curculionidae).....	Chile.....	1			NY.....
Cucumis melo (melon)					
Neoleucinodes elegantalis (Guenee) (Pyralidae).....	Colombia, Mexico, Venezuela.....	1	2		FL, LA, NY.....
Capsicum sp. (pepper)					
Physalis sp. (husk tomato)					
Solanum melongena (eggplant)					
Nephotettix cincticeps (Uhler) (Cicadellidae).....	Asia (country-?).....		1		DE.....
Aircraft					
Nephotettix nigropictus (Stål) (Cicadellidae).....	Japan.....		1		CA.....
Aircraft					
Nephotettix virescens (Distant) (Cicadellidae).....	Asia (country-?), Japan, Viet-Nam, West Pacific.		13		AK, CA, HI, WA.
Aircraft					
Nezara antennata Scott (Pentatomidae).....	Asia (country-?).....		1		AK.....
Aircraft					
Omphisa anastomosalis (Guenee) (Pyralidae).....	Japan.....		1		CA.....
Aircraft					
Opogona sacchari (Bojer) (Tineidae).....	Portugal.....			1	CA.....
Orchid (plant)					
Opuntiaspis philococcus (Cockerell) (Diaspididae).....	Mexico.....			1	TX.....
Cereus sp. (cactus plant)					
Orchidophilus atterrimus (Waterhouse) (Curculionidae).....	Guatemala.....	1			TX.....
Mangifera indica (mango)					
Orchidophilus peregrinator Buchanan (Curculionidae).....	Taiwan.....			1	CA.....
Pleione sp. (orchid plant)					
Orthezia pseudosignis Morrison (Ortheziidae).....	Mexico.....			1	CA.....
Plant (unidentified)					
Orthotomicus erosus (Wollaston) (Scolytidae).....	Italy.....	1			FL.....
Wood (bark on crate)					
Oulema melanopus (Linnaeus) (Chrysomelidae).....	Italy.....		1		NY.....
Brassica oleracea var. capitata (cabbage)					
Oxyodes scrobiculata (Fabricius) (Noctuidae).....	Asia (country-?).....		2		AK, WA.....
Aircraft					

T A B U L A T I O N O F I N S E C T S

PEST AND HOST	COUNTRY OF ORIGIN	NUMBER INTERCEPTIONS IN			COLLECTED IN-
		C	P	R	
		O	N	O	
		S	N	P	
		U	O	A	
		M	N	G	
		P	E	A	
		T	N	T	
		I	T	I	
		O	R	O	
		N	Y	N	
Oxythyrea funesta (Poda) (Scarabaeidae).....	Italy.....	1			NY.....
Vegetables (mixed)					
Paraleyrodes citri Bondar (Aleyrodidae).....	Mexico.....	1			TX.....
Citrus aurantifolia (leaf)					
Pectinophora gossypiella (Saunders) (Gelechiidae).....	Hawaii.....	1			HI.....
Gossypium sp. (cotton seed)					
Phloeosinus rudis Blandford (Scolytidae).....	Japan.....	1	1		AL, LA.....
Dunnage					
Wood (in bark)					
Pseudaonidia trilobitiformis (Green) (Diaspididae).....	Brazil, Japan.....	1	10		CA, NY.....
Citrus aurantifolia (lime)					
Citrus grandis (pummelo)					
Citrus reticulata cv. (cultivar orange)					
Psylliodes chrysocephala (Linnaeus) (Chrysomelidae).....	Italy.....		2		NY, PA.....
Brassica rapa (turnip)					
Pterochlorus tropicellus (van der Goot) (Aphididae).....	Thailand.....		1		IN.....
Aircraft					
Pyropotosia pryori (Janson) (Scarabaeidae).....	Asia (country-?).....		1		HI.....
Aircraft					
Pyrrhidium sanguineum (Linnaeus) (Cerambycidae).....	Italy.....	1			OR.....
Wood (crate)					
Rhagoletis cerasi (Linnaeus) (Tephritidae).....	France, Greece, Italy.....	3	7		DE, MA, VA.....
Prunus avium (sweet cherry)					
Sinoxylon conigerum Gerstaecker (Bostrichidae).....	India.....	4			NY.....
Wood (crate)					
Spodoptera mauritia (Boisduval) (Noctuidae).....	Asia (country-?).....		3		WA.....
Aircraft					
Stenopterus rufus (Linnaeus) (Cerambycidae).....	India.....	1			NY.....
Wood (crate)					
Taeniothrips eucherli (Whetzel) (Thripidae).....	Japan.....	1			WA.....
Dianthus sp. (cut flowers)					
Unaspis yanohensis (Kuwana) (Diaspididae).....	Hong Kong, Japan, Korea.....	94	284		AK, CA, HI, NY, OR, WA.....
Citrus aurantium (sour orange)					
Citrus grandis (pummelo)					
Citrus limon (lemon)					
Citrus paradisi (grapefruit)					
Citrus reticulata cv. (cultivar orange)					
Citrus sinensis (sweet orange)					
Citrus sp. (leaf & fruit)					
Fortunella sp. (kumquat)					
Xylopsocus capucinus (Fabricius) (Bostrichidae).....	Unknown.....		1		GA.....
Dunnage (lumber)					
Xylothrips flavipes (Illiger) (Bostrichidae).....	Unknown.....		1		GA.....
Dunnage (lumber)					

ABIES:

Megastigmus suspectus (Hymenoptera)

ALEURITES:

Dacus dorsalis (Diptera)

ANANAS:

Metamasius hemipterus hemipterus (Coleoptera)

ARECA:

Lepidosaphes bladhae (Homoptera)

Lindingaspis ferrisi (Homoptera)

BAMBUSA:

Minthea rugicollis (Coleoptera)

Nasutitermes costalis (Isoptera)

BRASSICA:

Mamestra brassicae (Lepidoptera)

Meligethes aeneus (Coleoptera)

Quiema melanopus (Coleoptera)

Psylliodes chrysocephala (Coleoptera)

CAESALPINIA:

Mimosestes dominicanus (Coleoptera)

CAJANUS:

Lampides boeticus (Lepidoptera)

CAPSICUM:

Neoleucinodes elegantalis (Lepidoptera)

CARICA:

Dacus dorsalis (Diptera)

CASTANEA:

Hemimene juliana (Lepidoptera)

CEREUS:

Opuntiaspis philococcus (Homoptera)

CHRYSANTHEMUM:

Frankliniella formosae (Thysanoptera)

CITRUS AURANTIFOLIA:

Aleurocanthus woglumi (Homoptera)

Anastrepha mombinpraeoptans (Diptera)

Paraleyrodus citri (Homoptera)

Pseudaonidia trilobitiformis (Homoptera)

CITRUS AURANTIUM:

Unaspis yanonensis (Homoptera)

CITRUS GRANDIS:

Pseudaonidia trilobitiformis (Homoptera)

Unaspis yanonensis (Homoptera)

CITRUS LIMON:

Unaspis yanonensis (Homoptera)

CITRUS PARADISI:

Anastrepha ludens (Diptera)

Unaspis yanonensis (Homoptera)

CITRUS RETICULATA CV.:

Dacus dorsalis (Diptera)

Pseudaonidia trilobitiformis (Homoptera)

Unaspis yanonensis (Homoptera)

CITRUS SINENSIS:

Aleurocanthus woglumi (Homoptera)

Anastrepha ludens (Diptera)

Ceratitis capitata (Diptera)

Dacus dorsalis (Diptera)

Unaspis yanonensis (Homoptera)

CITRUS SP.:

Aleurocanthus woglumi (Homoptera)

Aleurothrixus floccosus (Homoptera)

Anastrepha ludens (Diptera)

Unaspis yanonensis (Homoptera)

CLEYERA:

Lepidosaphes esakii (Homoptera)

COCOS:

Lepidosaphes esakii (Homoptera)

COFFEA:

Aleurocanthus woglumi (Homoptera)

Hypothenemus hampei (Coleoptera)

CUCUMIS:

Dacus cucurbitae (Diptera)

Naupactus xanthographus (Coleoptera)

DAHLIA:

Frankliniella formosae (Thysanoptera)

DIANTHUS:

Frankliniella formosae (Thysanoptera)

Taeniothrips eucharis (Thysanoptera)

DIOSPYROS:

Lepidosaphes conchiformioides (Homoptera)

EUGENIA:

Anastrepha mombinpraeoptans (Diptera)

Dacus dorsalis (Diptera)

EUPHORIA:

Icerya seychellarum (Homoptera)

FORTUNELLA:

Unaspis yanonensis (Homoptera)

GOSSYPIUM:

Pectinophora gossypiella (Lepidoptera)

HIBISCUS:

Minthea rugicollis (Coleoptera)

HYDRANGEA:

Hercinothrips bicinctus (Thysanoptera)

LACTUCA:

Gnorimoschema ocellatella (Lepidoptera)

LANSIUM:

Icerya seychellarum (Homoptera)

LARIX:

Megastigmus seitneri (Hymenoptera)

LEUCAENORON:

Glaucothrips glaucus (Thysanoptera)

LILIUM:

Isothrips obscuratus (Thysanoptera)

LITCHI:

Dacus dorsalis (Diptera)

LYCOPERSICON:

Dacus cucurbitae (Diptera)

MALUS:

Ctenopseustis obliquana (Lepidoptera)

Lepidosaphes conchiformioides (Homoptera)

MANGIFERA:

Anastrepha ludens (Diptera)

Anastrepha mombinpraeoptans (Diptera)

Dacus dorsalis (Diptera)

Lepidosaphes bladhae (Homoptera)

Orchidophilus atterimus (Coleoptera)

MOMORDICA:

Dacus cucurbitae (Diptera)

MUSA:

Dacus dorsalis (Diptera)

Metamasius hemipterus sericeus (Coleoptera)

NARCISSUS:

Meianthrips fuscus (Thysanoptera)

OLEA:

Dacus oleae (Diptera)

Leperislinus varius (Coleoptera)

Leucaspis riccae (Homoptera)

OPERCULINA:

Megacerus cubiciformis (Coleoptera)

ORCHID:

Nasutitermes nigriceps (Isoptera)

Opogona sacchari (Lepidoptera)

PHALAEOPSIS:

Lindingaspis tingi (Homoptera)

PHASEOLUS:

Maruca testulalis (Lepidoptera)

PHRAGMITES:

Fiorinia vaccinia (Homoptera)

PHYSALIS:

Neoleucinodes elegantalis (Lepidoptera)

PICEA:

Laspeyresia strobilella (Lepidoptera)

Megastigmus strobilobius (Hymenoptera)

PINUS:

Hylurgops palliatus (Coleoptera)

PISTACIA:

Megastigmus pistaciae (Hymenoptera)

Melanaspis inopinata (Homoptera)

PLANTS:

Hercinothrips bicinctus (Thysanoptera)

PLEIONE:

Orchidophilus peregrinator (Coleoptera)

PRUNUS:

Isothrips obscuratus (Thysanoptera)

PRUNUS (continued):

Rhagoletis cerasi (Diptera)

PSIDIUM:

Anastrepha mombinpraeoptans (Diptera)

Dacus dorsalis (Diptera)

ROSA:

Frankliniella formosae (Thysanoptera)

Macrosiphum ibarae (Homoptera)

SALIX:

Meianaspis nigropunctata (Homoptera)

SECHIUUM:

Geotomus pygmaeus (Hemiptera)

SESBANIA:

Lampides boeticus (Lepidoptera)

Maruca testulalis (Lepidoptera)

SOLANUM:

Leucinodes orbonalis (Lepidoptera)

Liriomyza braziliensis (Diptera)

Neoleucinodes elegantalis (Lepidoptera)

SPONDIAS:

Anastrepha mombinpraeoptans (Diptera)

TERMINALIA:

Dacus dorsalis (Diptera)

TULIPA:

Isotrips obscuratus (Thysanoptera)

VEGETABLES:

Oxythyrea funesta (Homoptera)

VITIS:

Ceratitis capitata (Diptera)

Lobesia botrana (Lepidoptera)

AIRCRAFT:

Dacus cucurbitae (Diptera)
Geniastes panamensis (Coleoptera)
Geotomus pygmaeus (Hemiptera)
Gryllotalpa africana (Orthoptera)
Gryllus bimaculatus (Orthoptera)
Gryllus capitatus (Orthoptera)
Herpetogramma licarsialis (Lepidoptera)
Homalodisca ichthycephala (Homoptera)
Huiodes caranea (Lepidoptera)
Hypomeces squamosus (Coleoptera)
Leucania loreyi (Lepidoptera)
Leucania yu (Lepidoptera)
Liogenys macropelma (Coleoptera)
Locusta migratoria (Orthoptera)
Macroscytus japonensis (Hemiptera)
Mamestra brassicae (Lepidoptera)
Maruca testualis (Lepidoptera)
Mecopoda elongata (Orthoptera)
Melanoplus femur-rubrum (Orthoptera)
Meianoplus sanguinipes ()
Meligethes aeneus (Coleoptera)
Melolontha japonica (Coleoptera)
Melolontha melolontha (Coleoptera)
Metaieptea brevicornis (Orthoptera)
Mocis frugalis (Lepidoptera)
Modicogryllus siamensis (Orthoptera)
Nephotettix cincticeps (Homoptera)
Nephotettix nigropictus (Homoptera)
Nephotettix virescens (Homoptera)
Nezara antennata (Hemiptera)
Omphisa anastomosalis (Lepidoptera)
Oxyodes scrobiculata (Lepidoptera)
Pterochlorus tropicalis (Homoptera)
Pyropotosia pryori (Coleoptera)
Spodoptera mauritia (Lepidoptera)

AUTOMOBILE:

Geniastes panamensis (Coleoptera)
Liogenys macropelma (Coleoptera)

BAGGAGE:

Geniastes panamensis (Coleoptera)

CARGO:

Geotomus pygmaeus (Hemiptera)
Gryllus bimaculatus (Orthoptera)
Macroscytus brunneus (Hemiptera)
Manopus similimus (Coleoptera)

Mecinus pyraister (Coleoptera)
Microplax interrupta (Hemiptera)

DUNNAGE:

Heterobostrychus aequalis (Coleoptera)
Minthea rugicollis (Coleoptera)
Phloeosinus rudis (Coleoptera)
Xylopsocus capucinus ()
Xylothrips flavipes (Coleoptera)

FLOWERS:

Frankliniella formosae (Thysanoptera)
Glaucothrips glaucus (Thysanoptera)
Hercinothrips bicinctus (Thysanoptera)
Meligethes aeneus (Coleoptera)

FRUIT:

Dacus cucurbitae (Diptera)
Metamasius hemipterus hemipterus (Coleoptera)

LEAF:

Meianaspis paulista (Homoptera)

MAIL:

Gryllotalpa africana (Orthoptera)
Gryllus bimaculatus (Orthoptera)
Minthea rugicollis (Coleoptera)

PACKING MATERIAL:

Myocallandra exarata (Coleoptera)

PLANT:

Orthezia pseudinsignis (Homoptera)

RAILROAD CAR:

Gaigupha punctifer (Hemiptera)

WOOD:

Heterobostrychus aequalis (Coleoptera)
Hylurgops palliatus (Coleoptera)
Hylurgus ligniperda (Coleoptera)
Ips acuminatus (Coleoptera)
Lyctoxylon japonum (Coleoptera)
Minthea rugicollis (Coleoptera)
Nasutitermes rippertii (Isoptera)
Orthotomicus erosus (Coleoptera)
Phloeosinus rudis (Coleoptera)
Pyrrhodium sanguineum (Coleoptera)
Sinoxylon conigerum (Coleoptera)
Stenopterus rufus (Coleoptera)

AFRICA (country-?): Hypothenemus hampei	GERMANY: Hylurgops palliatus Meligethes aeneus	Macroscytus japonensis Macrosiphum ibarae Mamestra brassicae Mecopoda elongata Meianoplus femur-rubrum Minthea rugicollis Modicogryllus siamensis Nephotettix nigropictus Nephotettix virescens Omphis anastomosalis Phloeosinus rudis Pseudaonidia trilobitiformis Taeniothrips eucharis Unaspis yanonensis
ANGOLA: Hypothenemus hampei	GERMANY(?): Melanoplus femur-rubrum	KOREA: Unaspis yanonensis
ARGENTINA: Melanaspis paulista	GHANA: Leucinodes orbonalis	KOREA(?): Gryllus bimaculatus
ASIA (country-?): Geotomus pygmaeus Gryllotalpa africana Gryllus binaculatus Herpetogramma licarsisalis Hypomeces squamosus Leucania loreyi Leucania yu Locusta migratoria Macroscytus japonensis Mecopoda elongata Nephotettix cincticeps Nephotettix virescens Nezara antennata Oxyodes scrobiculata Pyropotosia pryeri Spodoptera mauritia	GREECE: Dacus oleae Hemimele juliana Rhagoletis cerasi	KWAJALEIN: Lepidosaphes esakii
AUSTRALIA: Isothrips obscuratus	GUAM: Lepidosaphes esakii	LEBANON: Hypothenemus hampei Melanaspis inopinata
AUSTRIA: Megastigmus seitneri Megastigmus strobilobius	GUATEMALA: Anastrepha ludens Anastrepha mombinpraeoptans Metamasius hemipterus sericeus Orchidophilus atterrimus	LIBERIA: Leucinodes orbonalis
AZORES: Hercinothrips bicinctus	HAITI: Anastrepha mombinpraeoptans	MADEIRA ISLANDS: Hercinothrips bicinctus
BAHAMAS: Nasutitermes rippertii	HAITI(?): Anastrepha mombinpraeoptans	MALTA: Dacus oleae
BELGIUM: Mamestra brassicae	HAWAII: Dacus cucurbitae Dacus dorsalis Lampides boeticus Maruca testulalis Pectinophora gossypiella	MEXICO: Aleurocanthus woglumi Aleurothrixus floccosus Anastrepha ludens Anastrepha mombinpraeoptans Galgapha punctifer Hypothenemus hampei Megacerus cubiciformis Melanaspis nigropunctata Neoleucinodes elegantalis Opuntiaspis philococcus Orthezia pseudinsignis Paralayrodes citri
BRAZIL: Hypothenemus hampei Liriomyza braziliensis Pseudaonidia trilobitiformis	HONDURAS: Anastrepha mombinpraeoptans	MOROCCO: Ceratitis capitata
BRITISH HONOLULU: Nasutitermes nigriceps	HONG KONG: Leucinodes orbonalis Melolontha japonica Unaspis yanonensis	NEW ZEALAND: Ctenopseustis obliquana Isothrips obscuratus
CENTRAL AMERICA (country-?): Geniatus panamensis	INDIA: Dacus cucurbitae Heterobostrychus aequalis Minthea rugicollis Myocalandra exarata Sinoxylon conigerum Stenoptarus rufus	NICARAGUA: Anastrepha mombinpraeoptans Hypothenemus hampei
CHILE: Naupactus xanthographus	INDIA(?): Dacus cucurbitae	NORWAY: Ips acuminatus
CHINA: Lepidosaphes conchiformioides	INDONESIA: Hypothenemus hampei	OKINAWA: Frankliniella formosae Gryllus bimaculatus Herpetogramma licarsisalis
COLOMBIA: Aleurocanthus woglumi Anastrepha mombinpraeoptans Manopus similis Neoleucinodes elegantalis	IRAN: Melanaspis inopinata	PANAMA: Anastrepha mombinpraeoptans Geniatus panamensis Liogenys macropelma Metatleptea brevicornis Minthea rugicollis
CONGO: Minthea rugicollis	ISRAEL: Ceratitis capitata	PERU: Hypothenemus hampei Metatleptea brevicornis
COSTA RICA: Anastrepha mombinpraeoptans	ITALY: Dacus oleae Fiorinia vacciniae Gnoriomoscema ocellatella Hemimele juliana Hylurgus ligniperda Leperisinus varius Lobesia botrana Mamestra brassicae Megastigmus pistaciae Megastigmus strobilobius Orthotomicus erosus Quiema malanopus Oxythyrea funesta Psylliodes chrysocephala Pyrrhidium sanguineum Rhagoletis cerasi	PHILIPPINES: Dacus dorsalis Frankliniella formosae Gryllus bimaculatus Icerya seychellarum Lepidosaphes bladhiae Lindingaspis tingi Mamestra brassicae
CYPRUS: Leucaspis riccae	JAMAICA: Anastrepha mombinpraeoptans Mimosastes dominicanus	PORTUGAL: Hercinothrips bicinctus Opogona sacchari
DENMARK: Hylurgops palliatus	JAPAN: Frankliniella formosae Geotomus pygmaeus Gryllotalpa africana Gryllus bimaculatus Huiodes caranea Lepidosaphes conchiformioides Lepidosaphes esakii Lyctoxyon japonum	
DOMINICAN REPUBLIC: Anastrepha mombinpraeoptans Metamasius hemipterus hemipterus		
ECUADOR(?): Gryllus capitatus		
EL SALVADOR: Anastrepha mombinpraeoptans		
ENGLAND: Megastigmus seitneri Megastigmus strobilobius Melolontha melolontha		
ETHIOPIA: Hypothenemus hampei		
FRANCE: Megastigmus suspectus Melanthrips fuscus Meligethes aeneus Rhagoletis cerasi		

PUERTO RICO:

Anastrepha mombinpraeoptans
Maruca testulalis
Metamasius hemipterus hemipterus
Nasutitermes costalis

SOUTH AFRICA:

Glaucothrips glaucus
Leucinodes orbonalis

SPAIN:

Dacus oleae
Mamestra brassicae
Microplax interrupta

SPAIN(?):

Macrocytus brunneus

ST. KITTS:

Anastrepha mombinpraeoptans

ST. THOMAS:

Anastrepha mombinpraeoptans

SWEDEN:

Ips acuminatus

TAIWAN:

Geotomus pygmaeus

Orchidophilus peregrinator

THAILAND:

Frankliniella formosae
Gryllotalpa africana
Gryllus bimaculatus
Mecopoda elongata
Pterochlorus tropicalis

TURKEY:

Mecinus pyraeter

VENEZUELA:

Liriomyza braziliensis
Neoleucinodes elegantalis

VIET-NAM:

Dacus dorsalis
Geotomus pygmaeus
Gryllotalpa africana
Gryllus bimaculatus
Lindingaspis ferrisi
Mocis frugalis
Nephotettix virescens

VIET-NAM?:

Melanopius sanguinipes

WEST PACIFIC:

Geotomus pygmaeus
Gryllus bimaculatus
Herpetogramma licarsalis
Hypomeces squamosus
Mecopoda elongata
Nephotettix virescens

UNKNOWN:

Anastrepha mombinpraeoptans
Dacus oleae
Frankliniella formosae
Geotomus pygmaeus
Heterobostrychus aequalis
Homalodisca ichthyocephala
Laspeyresia strobiliella
Llogenys macropelma
Maruca testulalis
Xylopsocus capucinus
Xylorthrips flavipes

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